

Massachusetts Institute of Technology  
Charles Stark Draper Laboratory  
Cambridge, Massachusetts

MEMO

TO: Distribution  
FROM: A. Klumpp  
DATE: 6 April 1970

During the Apollo 13 descent, there will be a new real-time plot for monitoring computer activity or time loss (TLOSS). This memo contains plots which show how the new real-time monitor plot should look for various values of TLOSS. These are plots of the time relative to PIPTIME of the radar velocity reading, versus time. The ordinate is calculated as word 5 minus word 7 of the descent telemetry, adding two if the difference is negative. The enclosed plots start just before acquisition of velocity data, and show the various events responsible for the anomolous behaviour of the plots. Also included herein are the corresponding plots of the VAC, CORESET, and WAITLIST activity.

*Alfred R. Klumpp*

Distribution

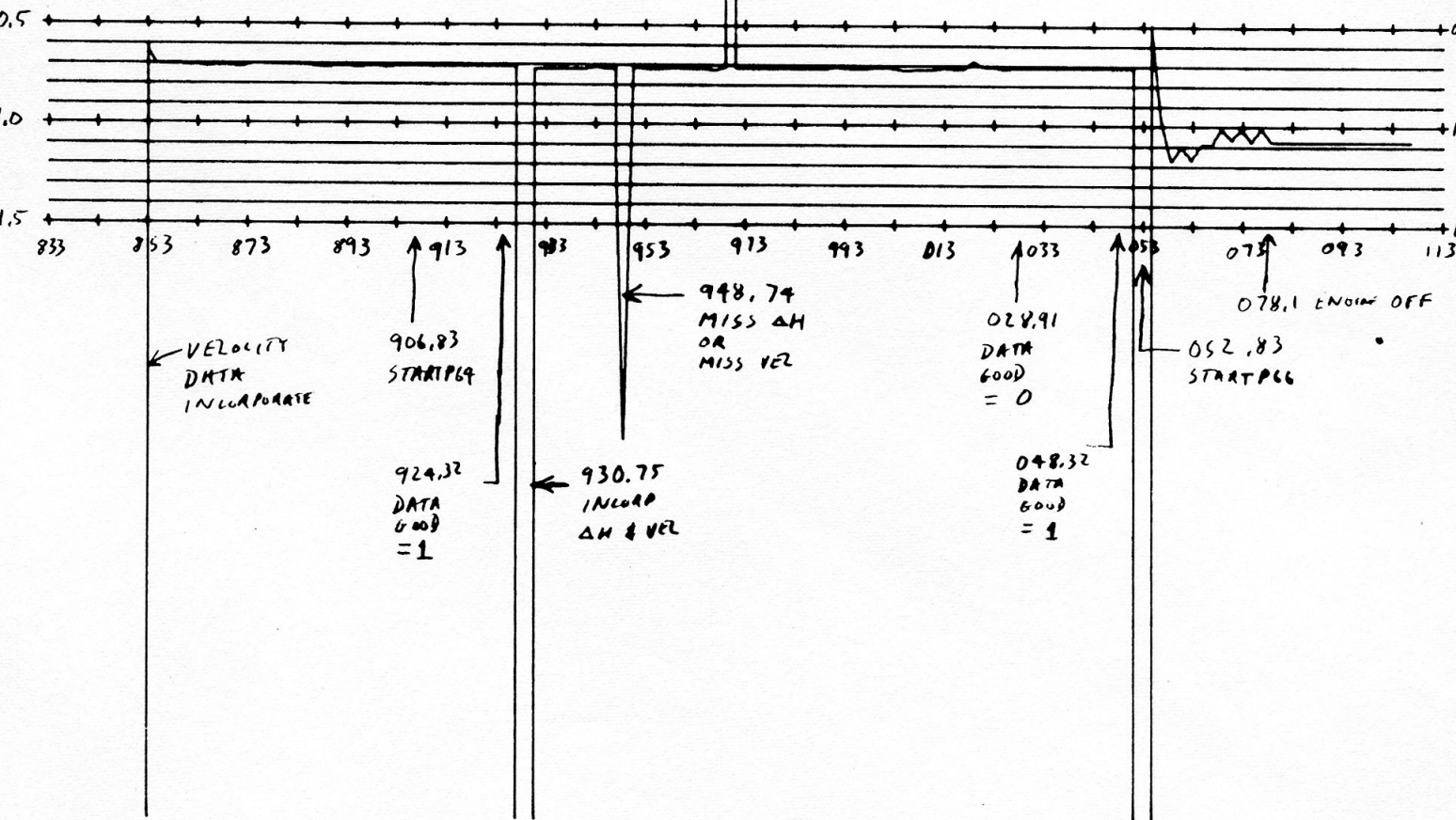
Jim Alphin	Will Presley
Floyd Bennett	Tom Price
Willis Bolt	H. D. Reed (Dave)
Jack Garman	LUMINARY Distribution List at MIT
Tom Gibson	
John Jurgensen	
Tom Moore	



①

A131888  
NO LOSS

UNEXPLAINED  
SPURIOUS TELEMETRY  
SYNCH DETECTED





AGC ACTIVITY

X'S MARK VAC

A131888

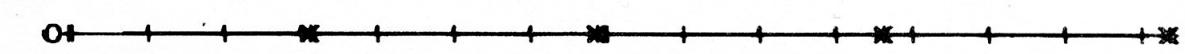
o'S MARK CORSET

No 72455

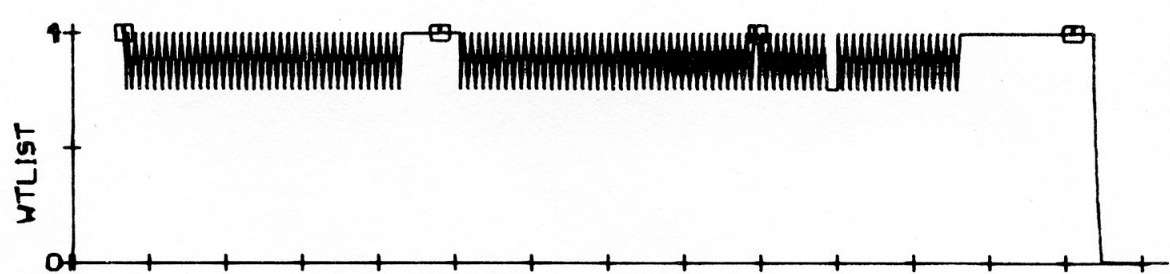
□'S MARK WTLIST

\*'S MARK DLYJOB

DLYJOB



WTLIST

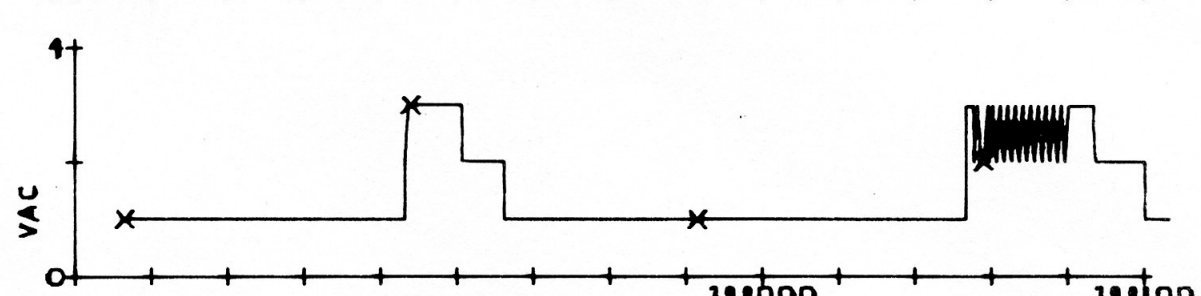


CORSET



MAX. ACTIVITY

VAC



397900  
TIME (SEC)

↑  
V62

↑ P68  
↑ ENG OFF

A131888



DUTY CYCLE

X'S MARK 100 PC

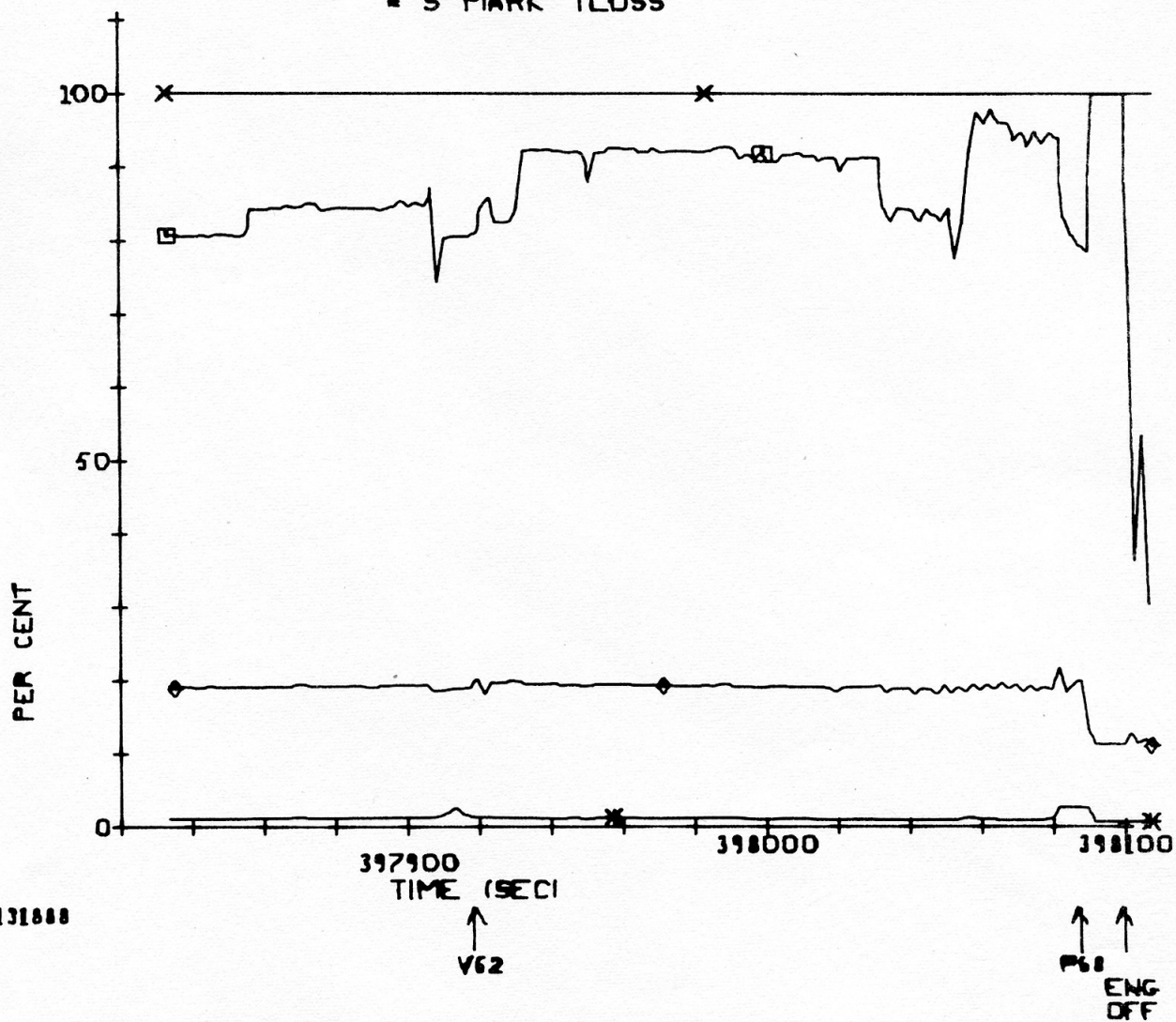
o'S MARK TRUPT

□'S MARK TJOB

\*'S MARK TLOSS

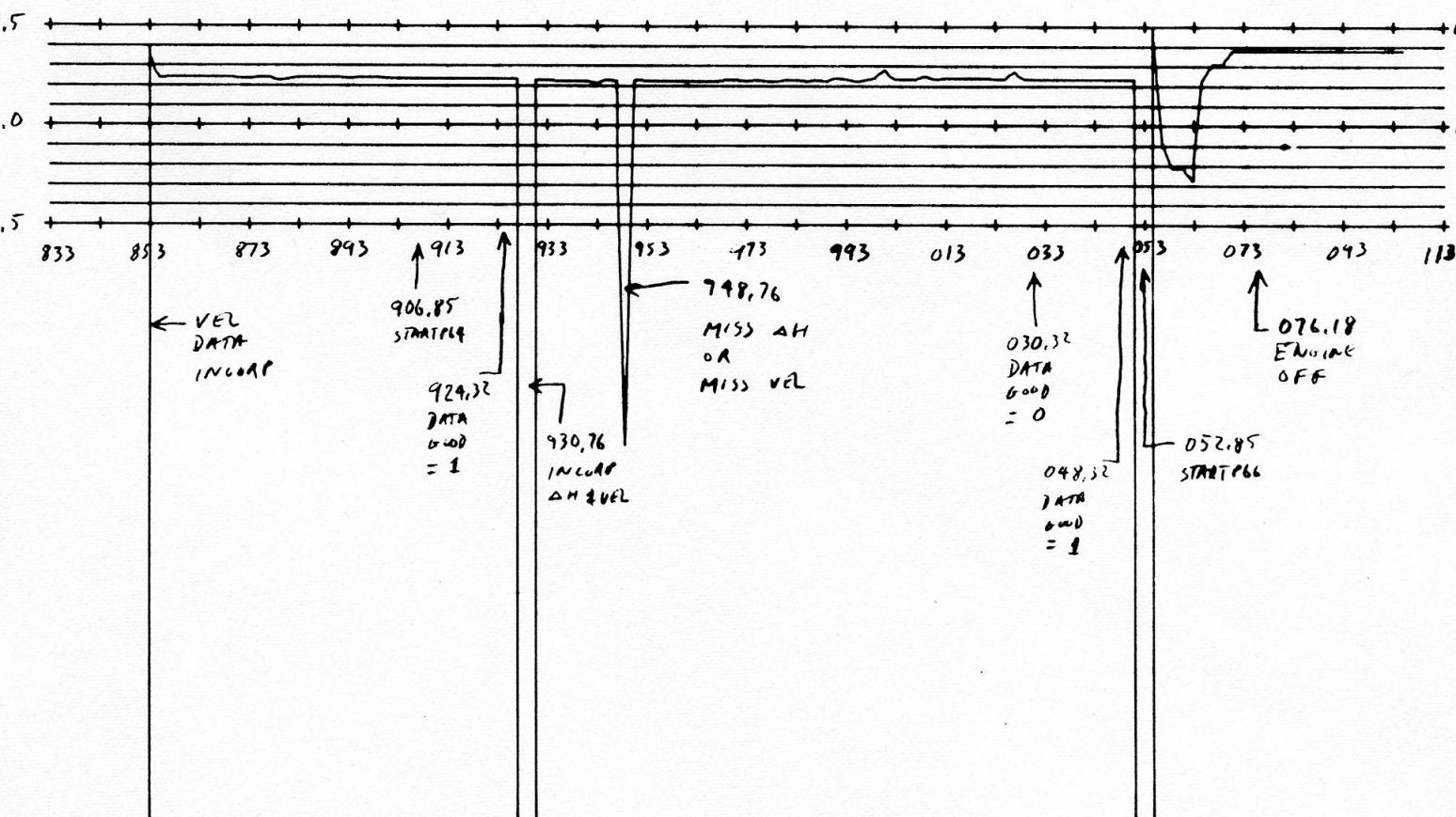
A131888

NO TLOSS





A131889  
3.5% TLOSS

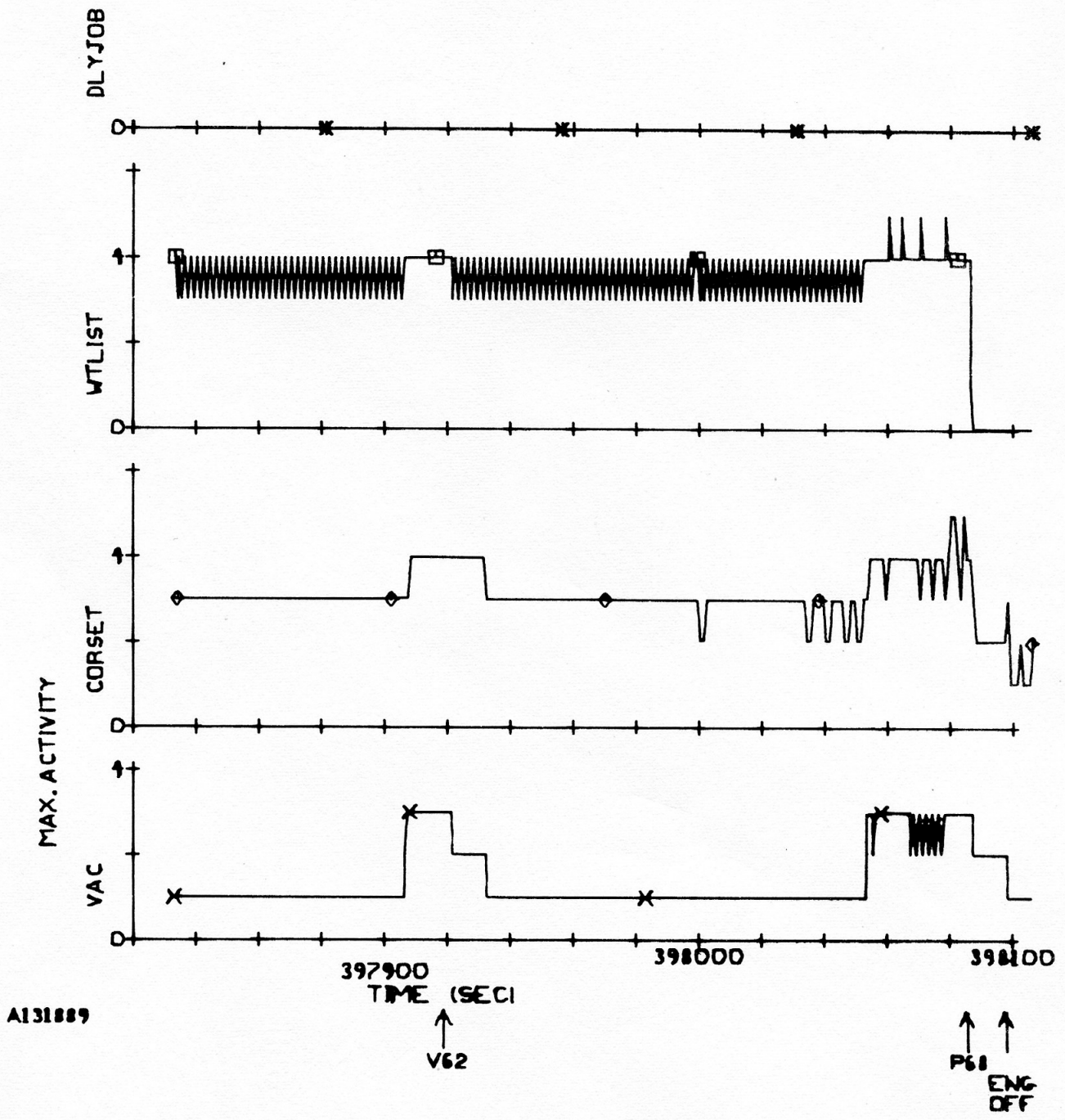




AGC ACTIVITY

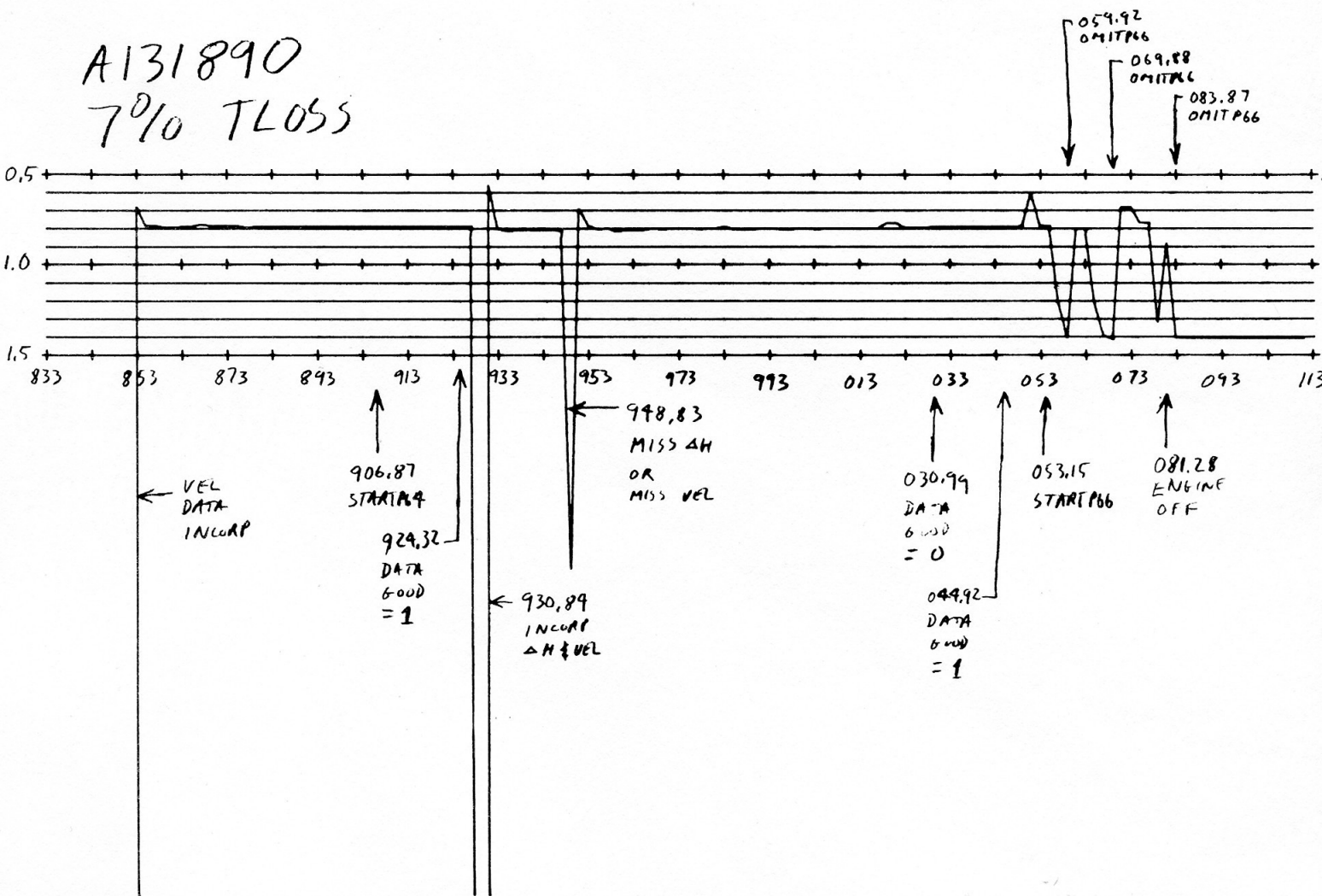
X'S MARK VAC  
o'S MARK CORSET  
□'S MARK WTLIST  
\*S MARK DLYJOB

A131889  
3.5% LOSS





A131890  
7% LOSS



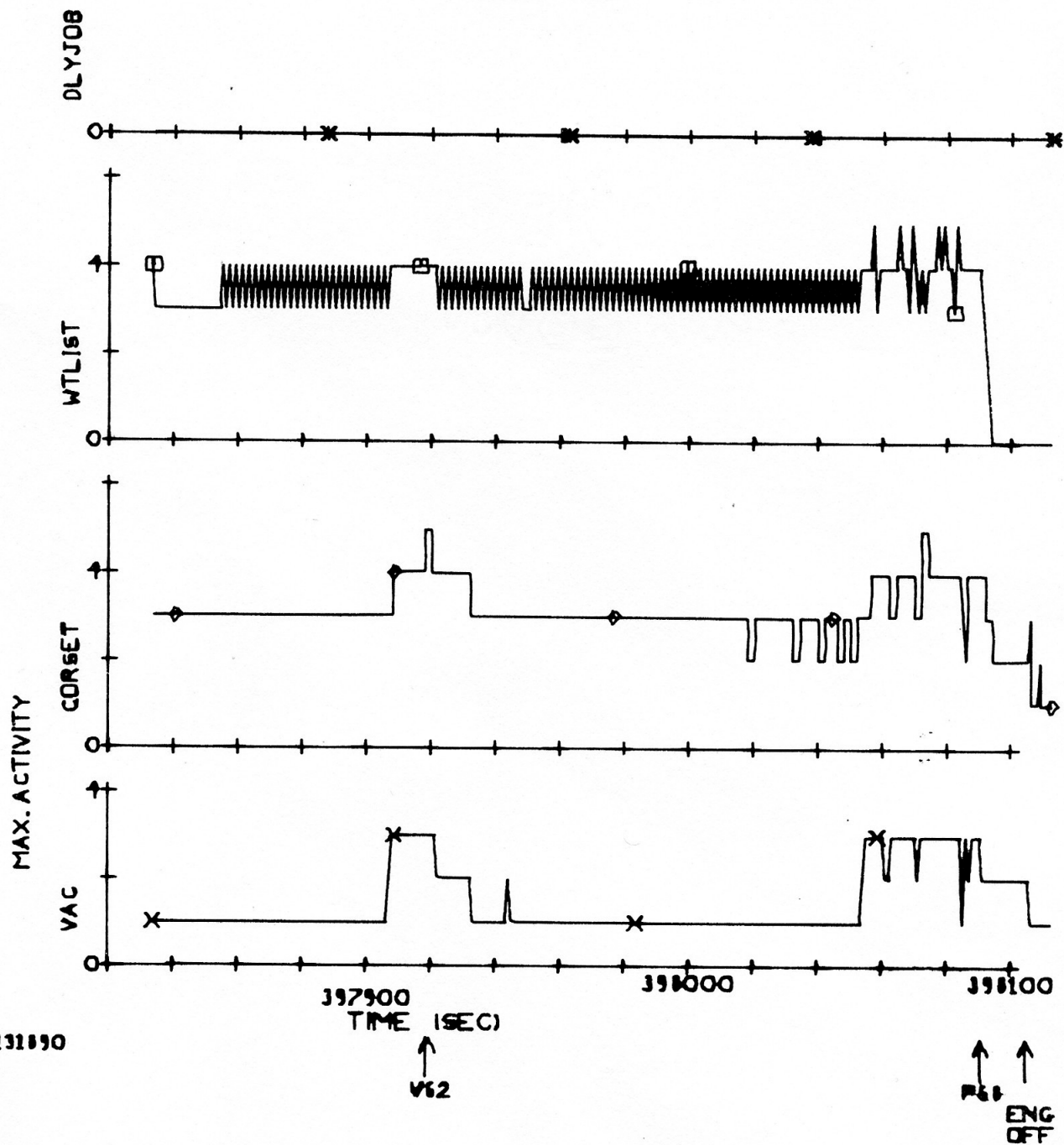


AGC ACTIVITY

X'S MARK VAC  
 O'S MARK CORSET  
 O'S MARK WTLIST  
 \*S MARK DLYJOB

A131890

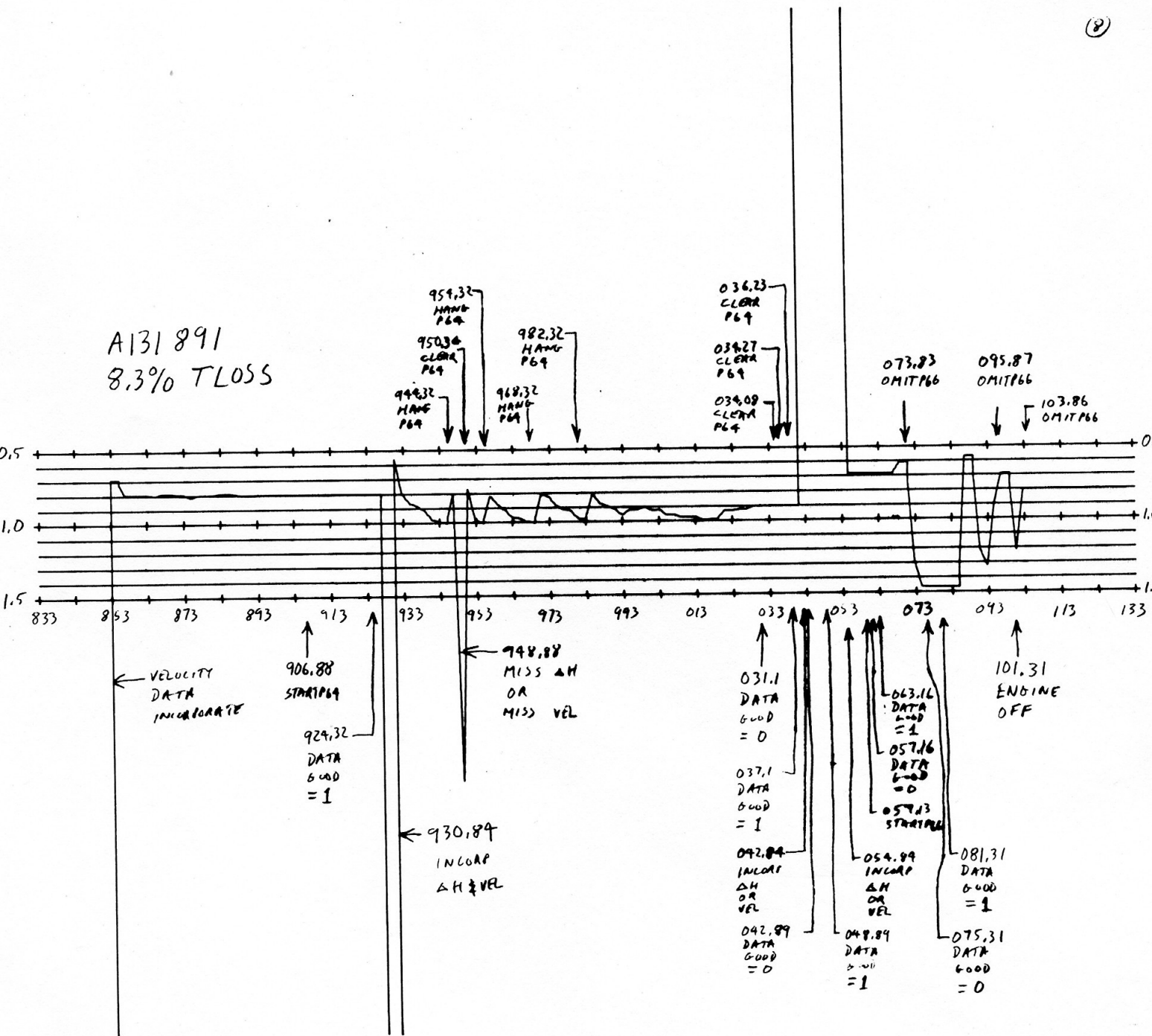
7% TLOSS



A131890



A131891  
8.3% TLOSS





AGC ACTIVITY

X'S MARK VAC

◇'S MARK CORSET

□'S MARK WTLIST

\*'S MARK DLYJOB

A131891

8.3% TL095

DLYJOB



WTLIST

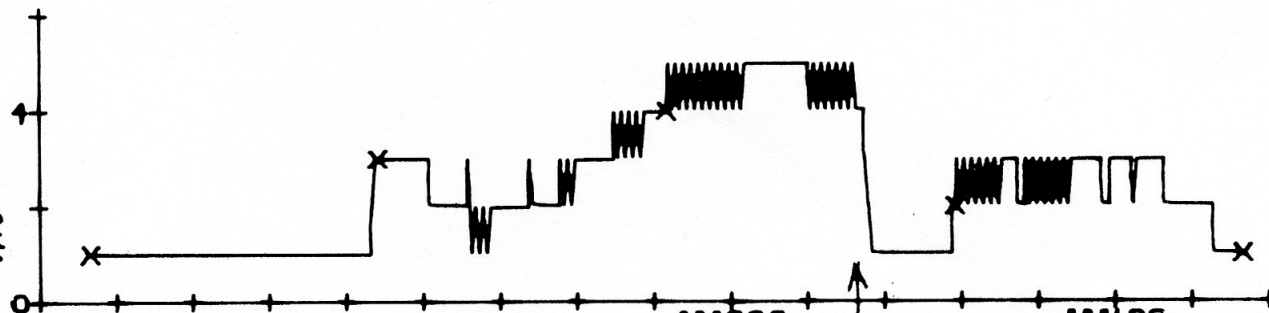


CORSET



MAX. ACTIVITY

VAC



397900  
TIME (SECI)

↑  
V62

031.1  
DATA  
6000  
= 0

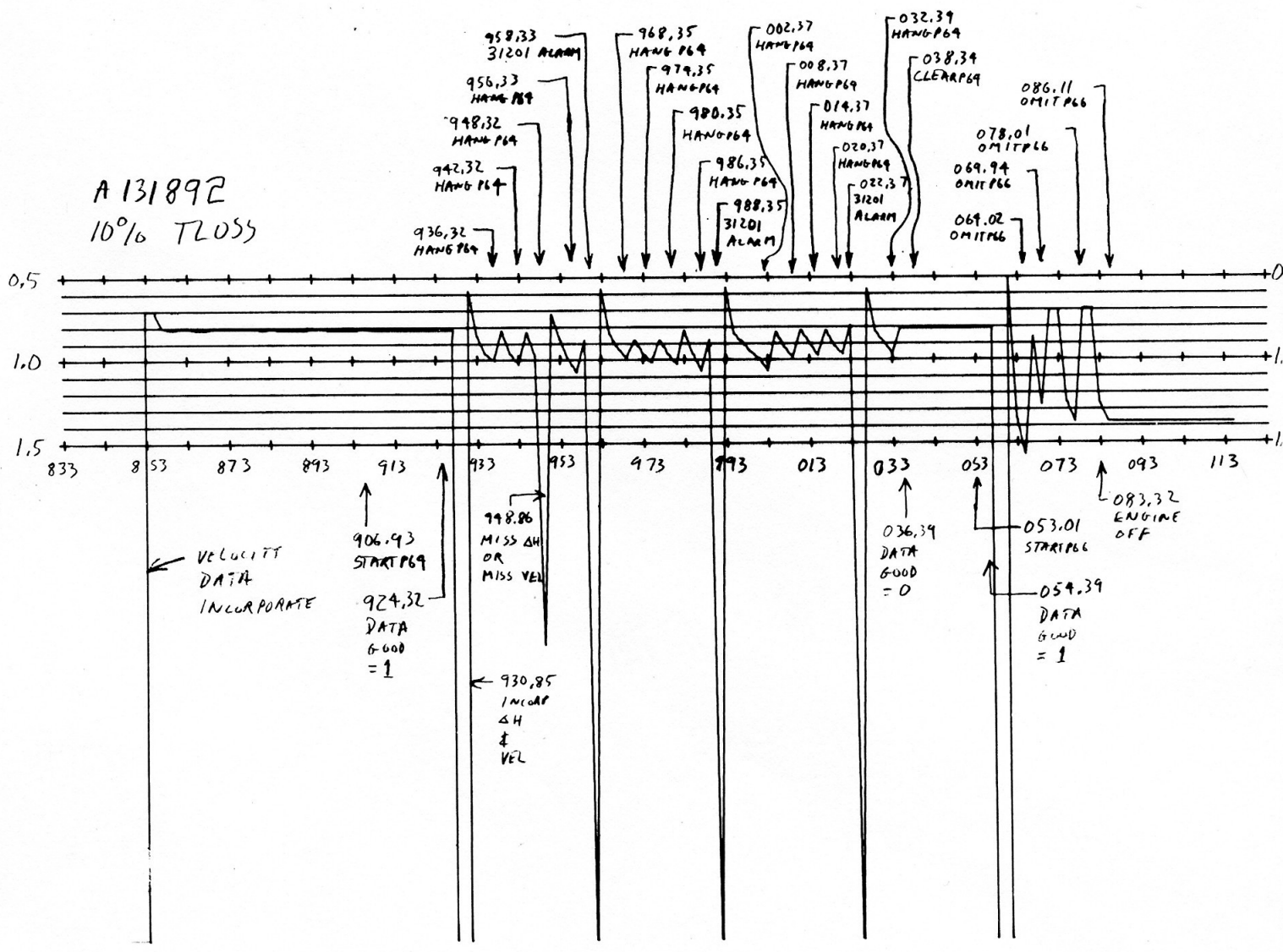
NO  
31201  
ALARM

↑ ↑  
P68 ENG  
OFF

A131891



A 131892  
10% LOSS



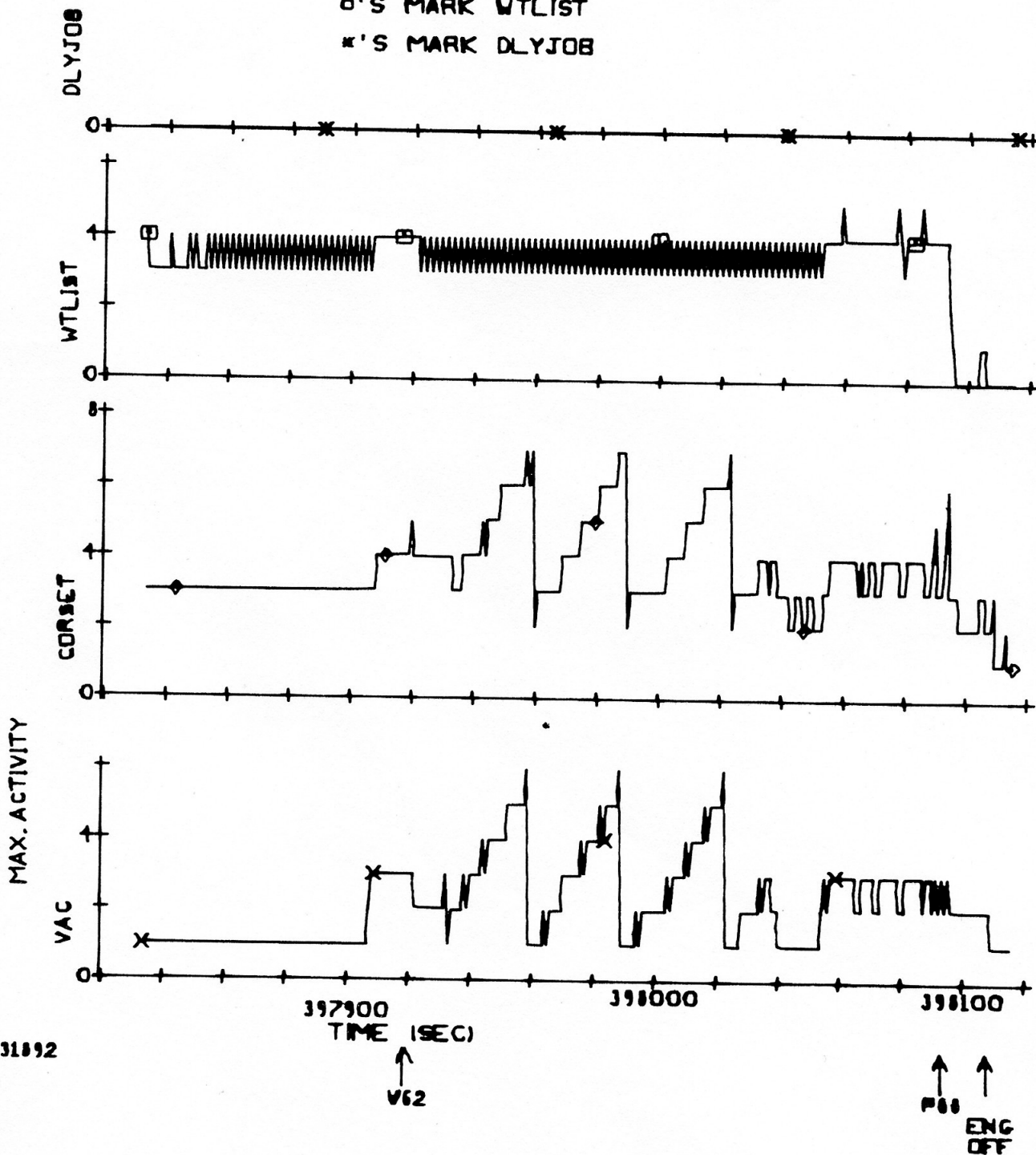


AGC ACTIVITY

X'S MARK VAC  
O'S MARK CORSET  
O'S MARK WTLIST  
\*S MARK DLYJOB

A131892

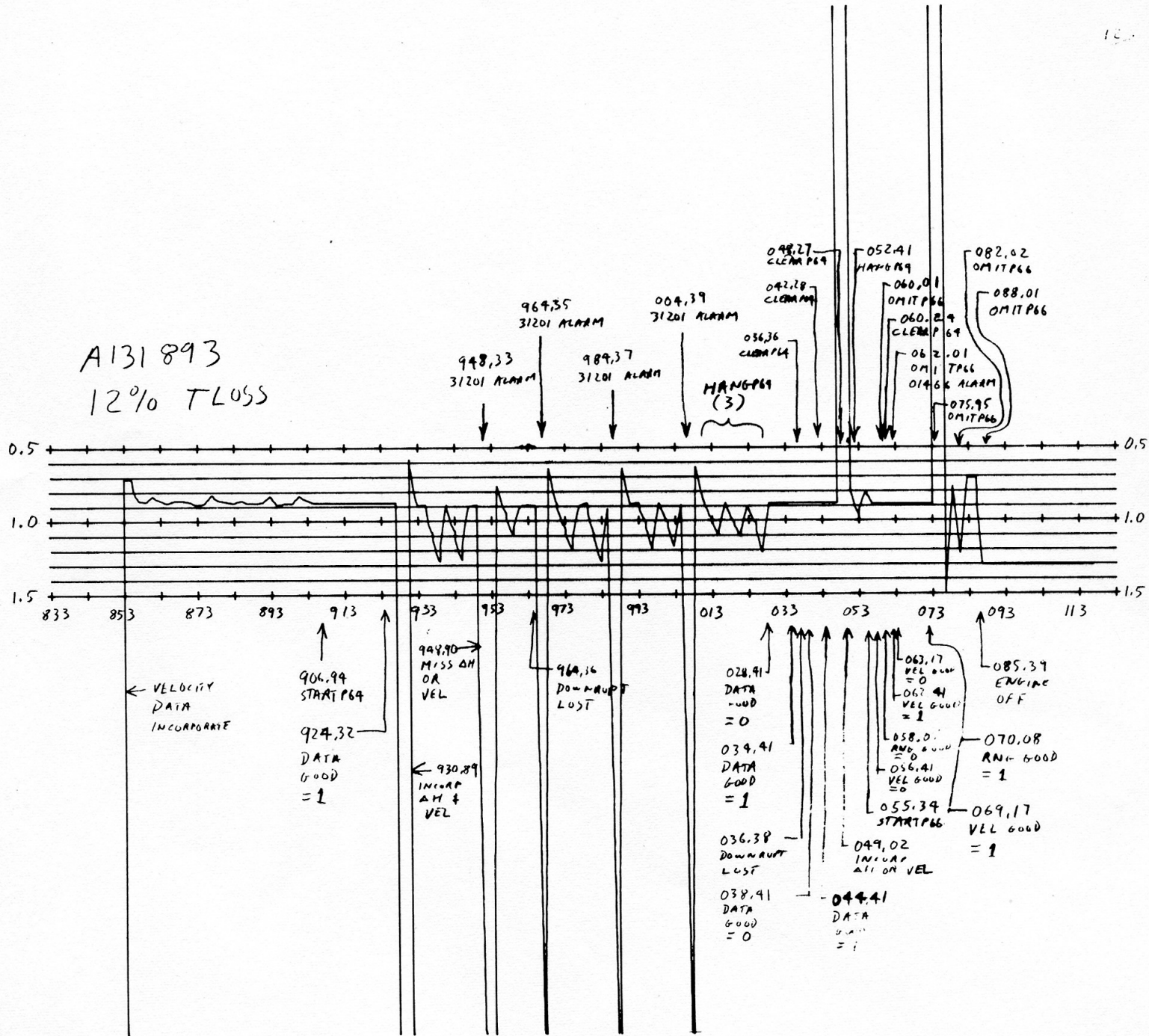
10% LOSS



A131892



A131893  
12% TLOSS





AGC ACTIVITY

X'S MARK VAC

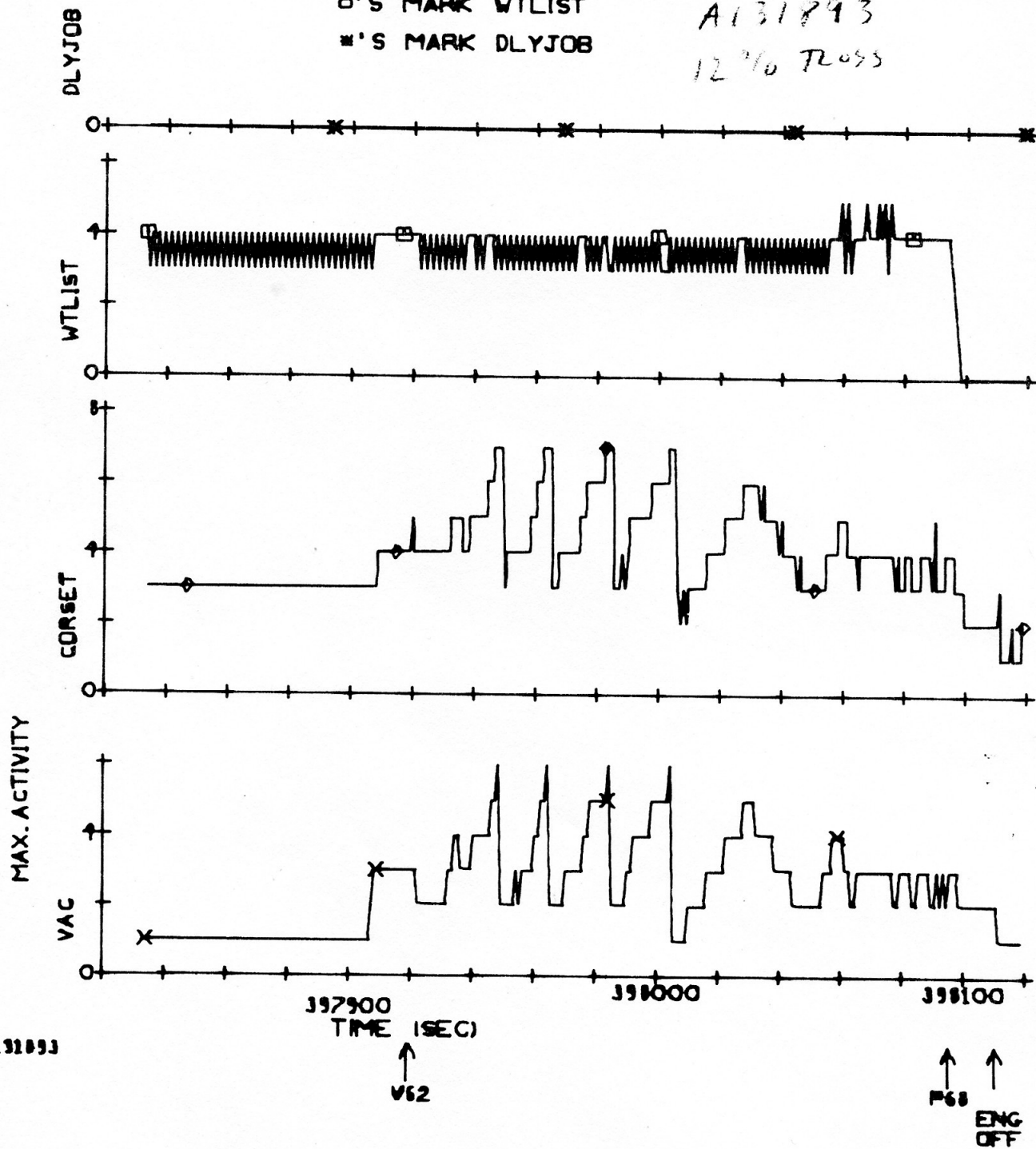
◇'S MARK CORSET

□'S MARK WTLIST

\*'S MARK DLYJOB

A131893

12% LOSS



A131893